PTO/SB/08B (04-03)

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			PPLICANT	First Named Inventor		
				Art Unit		
	(Use as many sho	eets as n	ecessary)	Examiner Name		
Sheet	1	of	1	Attorney Docket Number	45144-	

Examiner Initials*	Cite No.1	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
M5 MS		SAKAMOTO, et al., Effect of a Toothbrush with lon-coated Nylon Filaments on Gingival Tissue in Dogs and Dental Plaque Accmulation in a Man, 2002, pp. 221-228, J. Dent. Hith. 52; Okayama Univ. School of Medicine, Japan				
MS		WATANABE, et al., A Clinical Study to Evaluate the Effectiveness of a Multi-mineral Nylon Abrasive Filament (NAF) Toothbrush; pp. 1-12, Okayama University School of Medicine, Japan				
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Sheet 1

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First Named Inventor		
Art Unit		
Examiner Name		
Attorney Docket Number	45144	

U. S. PATENT DOCUMENTS Name of Patentee or **Publication Date** Examiner Document Number nt Passages or Relevant Applicant of Cited Document MM-DD-YYYY Initials* No. Figures Appear Number-Kind Code² (# known) US- D253,973 Rosse 1/15/1980 MS Rizzuto et al. 7/17/1990 US- D309,354 6/22/1999 Smal US- D411,333 5/9/2000 Hirata US- D424,742 1/11/1881 Wilson ^{US-} 236,522 Hauce US-278,944 6/5/1883 2/26/1884 Campbell US- 294,309 5/15/1923 Wright US- 1,455,696 us- 2,155,282 4/18/1939 Schoenling US- 3,228,845 1/11/1966 Najjar MS US- 3,613,143 10/19/1971 Muhler et al: Muhler et al. US- 3,618,154 11/9/1971 US- 3,703,766 Tibbals 11/28/1972 M5 US- 4,035,865 7/19/1977 McRae et al. US-4,143,126 Gaffar 3/6/1979 5/1/1979 Nathe et al. US- 4,151,850 Carter US- 4,242,567 12/30/1980 US-4,477,716 10/16/1984 Thaler et al. M5 us- 4,500,939 2/19/1985 Gueret

		FORE	IGN PATENT DOCU			
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, Where Relevant Passages	_
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145	/	DE 19711676 A1	9/24/1998	Kim		L
T	_	DE 3120576 A1	1/5/1983	Segner .		Ŀ
4		DE 19803175 A1	7/29/1999	Technomed Gesellschaft		L
MS		EP 0 077600 A2	4/27/1983	Takimae		Ļ
		EP 1 086634 A1	3/28/2001	Create Co., Ltd		t
MS	_	EP 0 0160320 A2	11/6/1985	E.I. Du Pont		

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Filing Date First Named Inventor Art Unit Examiner Name

Attorney Docket Number 45144

PTO/SB/08A (08-03)

Sheet |2 **U. S. PATENT DOCUMENTS** Examiner Cite Document Number Publication Date Name of Patentee or Initials' MM-DD-YYYY **Applicant of Cited Document** ent Passages or Relevant -Figures Appeal Number-Kind Code^{2 (# known)} ^{US-} 4,549,560 10/29/1985 Andis MS us-4,567,904 2/4/1986 Pitcher et al. M5 US 4,610,925 9/9/1986 Bond ^{US-} 4,739,151 4/19/1988 Smal MS ^{US-} 4,740,669 4/26/1988 Takimae US-4.886,972 12/12/1989 Nakai et al. US- 4,917,078 4/17/1990 Zaborowski US- 5,056,227 10/15/1991 Kramer US- 5,124,143 6/23/1992 Muhlemann et al. US-5,224,397 7/6/1993 US- 5,266,304 Baffelli et al. 11/30/1993 US- 5,357,988 Nakamura 10/25/1994 US- 5,531,675 7/2/1996 Yoo US- 5,787,525 8/4/1998 Sugihara et al. US- 5,799,671 9/1/1998 Takimae US- 5,848,599 12/15/1998 Todd US- 5,891,473 Stanier 4/6/1999

		FORE	IGN PATENT DOCL	MENTS					
Examiner Initials*	Cite No.				Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁸ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵			
Ms	_	GB 1210385	10/28/1970	Muntz	_				
	-	GB 2301772 A	12/18/1996	Tokyo Biox Corp					
_		EP 0927544 B1	7/7/1999	Altshuler, Grigory, Borisovich		Г			
		JP 03241025	10/28/1991	J PII U:KK	_				
8	/	JP 03250088	11/7/1991	Toshio					
MS	12	JP 956472	3/4/1997		_				

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U. S. PATENT DOCUMENTS Examiner Document Number Publication Date Name of Patentee or Initials* MM-DD-YYYY Applicant of Cited Document cant Passassas or Palayant Number-Kind Code^{2 (M known)} Eiguree Appea ūs- 5.987,688 11/23/1999 Roberts et al. MS 2/29/2000 6,029,277 Picchione, II US- 6,029,356 2/29/2000 Sprinkle ^{US-} 6,105,261 8/22/2000 **Ecer** ^{US-} 6,205,674 3/27/2001 Kaizuka M5 US US-US-US-US-US-US-US-US-US-US-

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MS	V	JP 09121996	5/13/1997	Beam Kogoyo KK		T
		JP 11056425	3/2/1999	Yoshida Kogyo:KK		Г
		JP 2000-128750	5/9/2000	Seniru Laboratories Co.		Г
<u>d</u>	V	JP 2001288679	10/19/2001	Toray Ind Inc.		Т
MS		JP 2002-313855	10/25/2002	Carrier Carrie		Γ
	-	JP 63150011	6/22/1988	Daiyu Shoji KK		F

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		Country Code ³ [Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	- Aprilative of Citate Cocarricing	Or Relevant Figures Appear	T⁵
		JP 63238808	10/4/1988	Macda Nobuhide		
45	V	RU 2108299	4/10/1998	Georgievich		Т
		WO 02/058449 A2	8/1/2002	Hydro Enterprises		T
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